

## Product Datasheet

## Anti-GluN2C/NR2C Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-411-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N422/18
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 836-1233 (cytoplasmic C-terminus) of rat GluN2C (accession number Q00961) produced recombinantly in E. Coli
<b>Molecular Weight</b>	130 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-411-FL594, RRID: AB_2940362

## Details

<b>Target Description</b>	Glutamate receptor ionotropic, NMDA 2C, N-methyl D-aspartate receptor subtype 2C, or GluN2C/NR2C is encoded by the gene GRIN2C. GluN2C is a subunit of the N-methyl-D-aspartate (NMDA) receptor, which is a subtype of channel forming ionotropic glutamate receptor which is permeable to cations including calcium, potassium and sodium. GluN2C is found in the central nervous system and the cerebellum. GluN2C is thought to have an important role in physiological processes such as learning, memory, and synaptic development. Diseases associated with this gene include Alzheimer disease, Parkinson's disease and Schizophrenia.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

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